

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\
 Data File : VV016942.D
 Acq On : 15 Jun 2020 18:15
 Operator : SY/MD
 Sample : L2947-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXE0

Quant Time: Jun 16 05:51:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 16 05:46:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	332680	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312597	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161143	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	90394	38.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.02%
7) Chloroethane-d5	1.56	69	65455	46.47	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.94%
11) 1,1-Dichloroethene-d2	2.12	63	166044	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.24%
21) 2-Butanone-d5	3.89	46	149617	86.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.11%
24) Chloroform-d	4.37	84	210442	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
26) 1,2-Dichloroethane-d4	5.05	65	148354	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.38%
32) Benzene-d6	5.07	84	404453	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.76%
36) 1,2-Dichloropropane-d6	6.09	67	125648	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.46%
41) Toluene-d8	7.34	98	377480	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%
43) trans-1,3-Dichloropropene-	7.64	79	65356	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.34%
47) 2-Hexanone-d5	8.11	63	100176	81.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.80%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	166059	44.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	167614	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	13562	5.718	ug/L	83
8) Chloroethane	1.58	64	11536	9.846	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1495	0.845	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	68371	41.408	ug/L	97
13) Acetone	2.18	43	1809	1.580	ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	2179	0.968	ug/L	91
19) 1,1-Dichloroethane	3.21	63	1826012	430.897	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	22704	9.250	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	5950553	1492.670	ug/L	98
33) Benzene	5.13	78	22571	2.440	ug/L	100
34) Trichloroethene	5.94	95	2255	0.909	ug/L	90
42) Toluene	7.41	91	11185	1.147	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	1499	0.646	ug/L	91
48) 2-Hexanone	8.11	43	13544	5.125	ug/L #	65
51) Chlorobenzene	8.90	112	32326	5.082	ug/L	94
65) 1,2-Dichlorobenzene	11.67	146	11639	2.276	ug/L #	82

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 16 05:46:50 2020
Response via : Initial Calibration

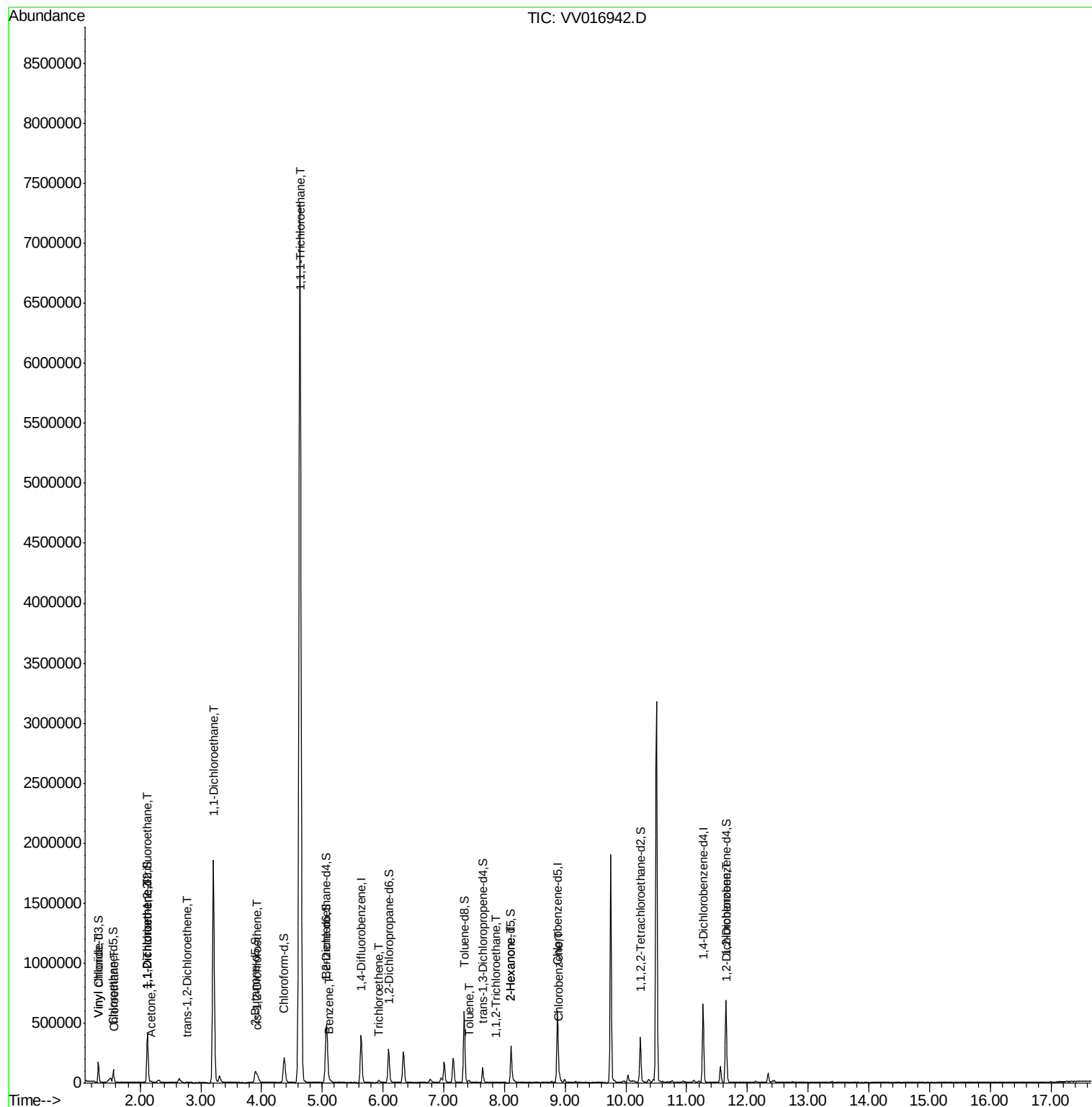
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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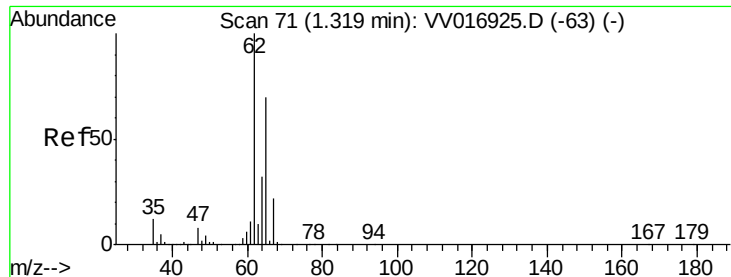
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.718 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

Instrument :

MSVOA_V

ClientSampled :

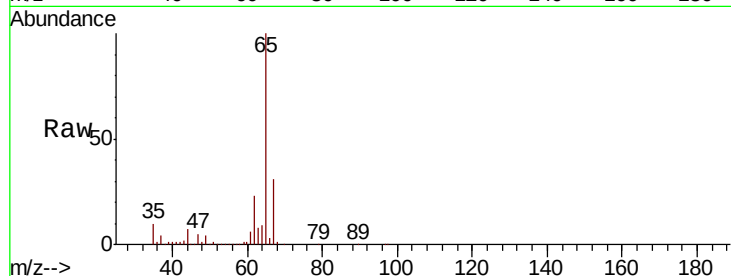
BFXE0

Tot Ion: 62 Resp: 13562

Ion Ratio Lower Upper

62 100

64 41.3 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

15000

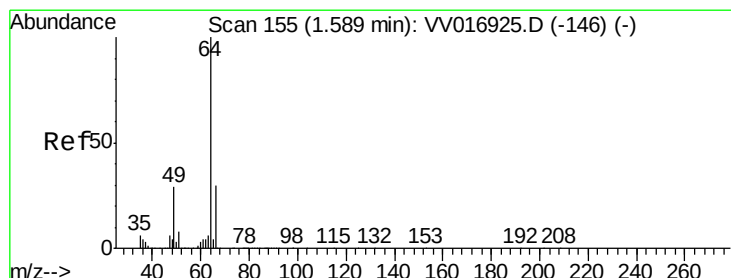
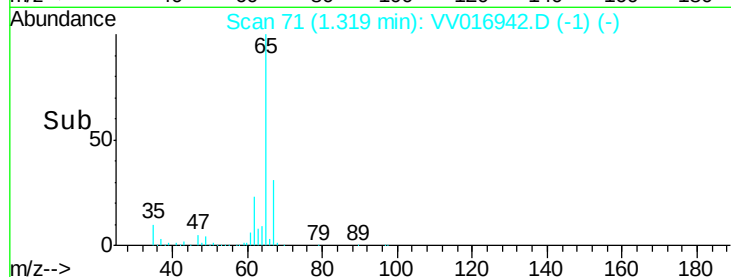
10000

5000

0

1.30 1.35

Time-->



#8

Chloroethane

Concen: 9.846 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.01 min

Lab File: VV016942.D

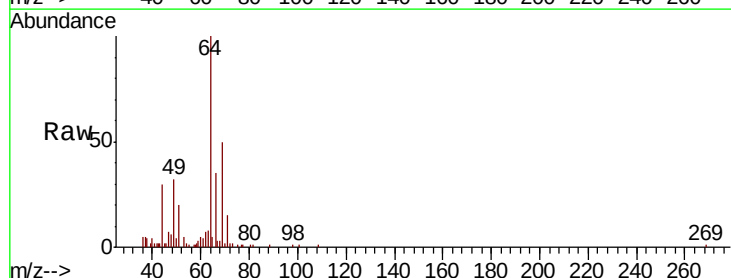
Acq: 15 Jun 2020 18:15

Tgt Ion: 64 Resp: 11536

Ion Ratio Lower Upper

64 100

66 34.7 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.58

10000

8000

6000

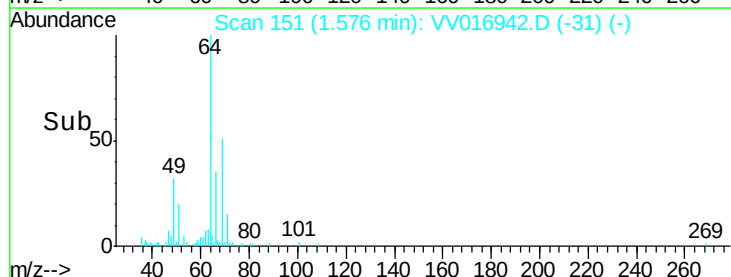
4000

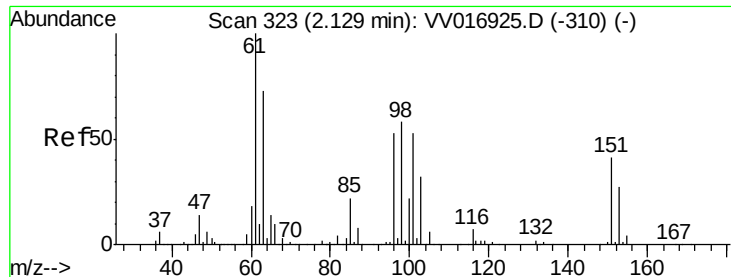
2000

0

1.55 1.60

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.845 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

Instrument :

MSVOA_V

ClientSampleId :

BFXE0

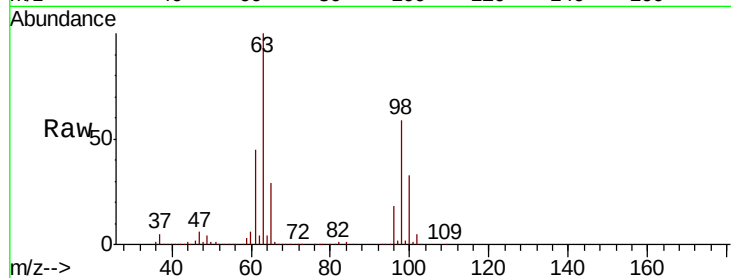
Tot Ion:101 Resp: 1495

Ion Ratio Lower Upper

101 100

85 7.0 35.5 53.3#

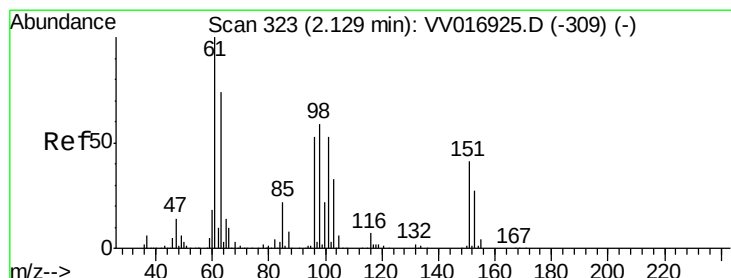
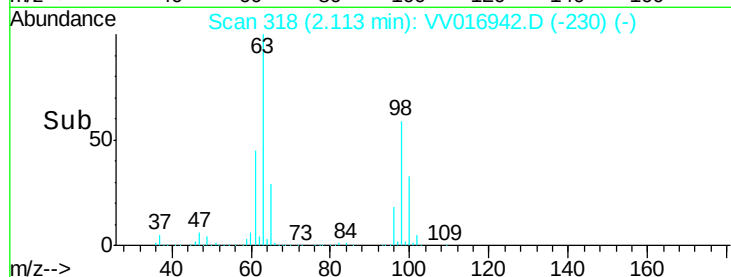
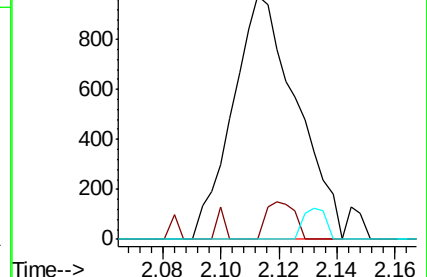
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 41.408 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

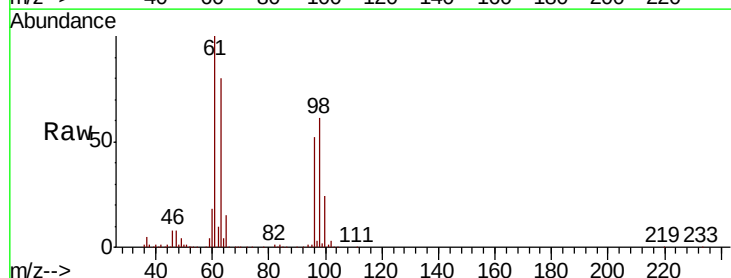
Tgt Ion: 96 Resp: 68371

Ion Ratio Lower Upper

96 100

61 190.5 130.4 242.2

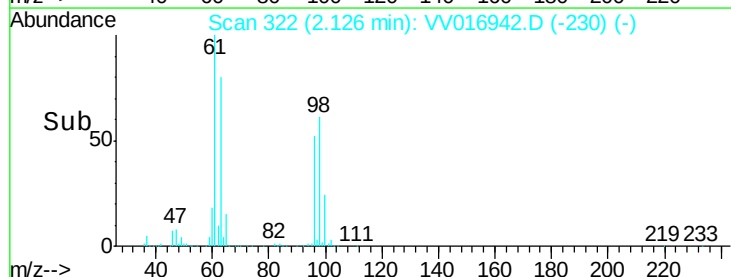
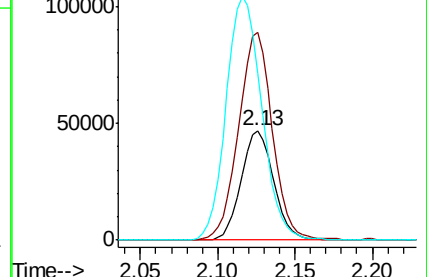
63 152.5 103.3 191.9

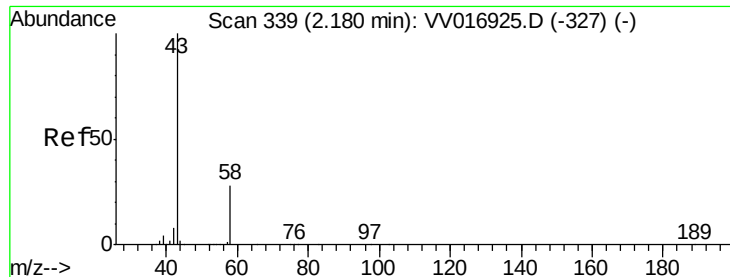


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.580 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

Instrument :

MSVOA_V

ClientSampled :

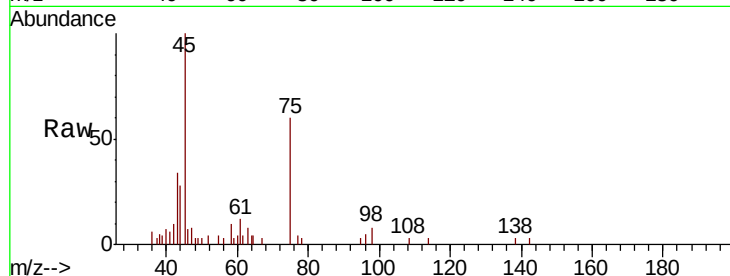
BFXE0

Tot Ion: 43 Resp: 1809

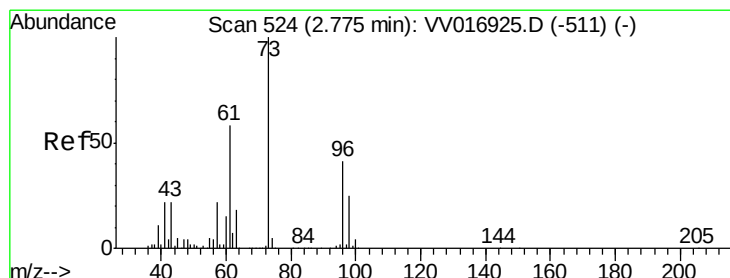
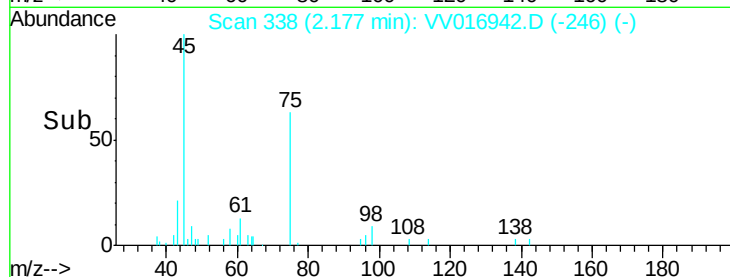
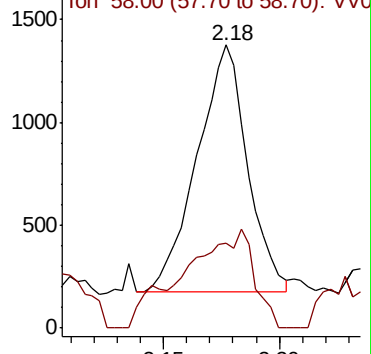
Ion Ratio Lower Upper

43 100

58 32.3 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016925.D (-327) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.968 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

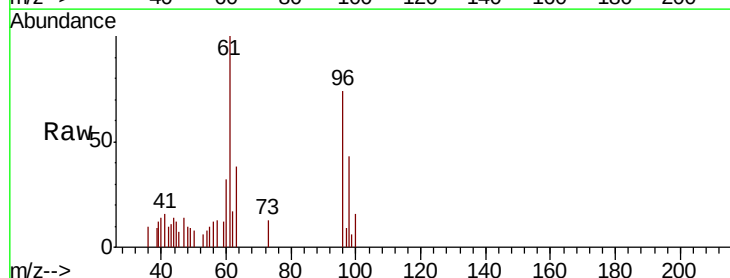
Tgt Ion: 96 Resp: 2179

Ion Ratio Lower Upper

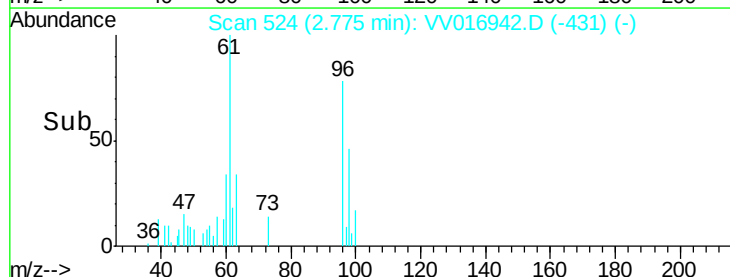
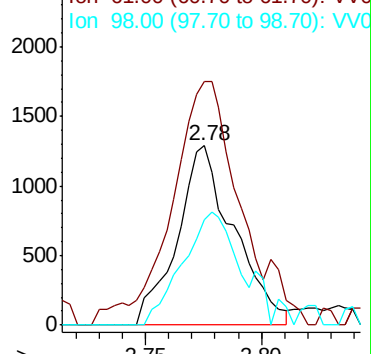
96 100

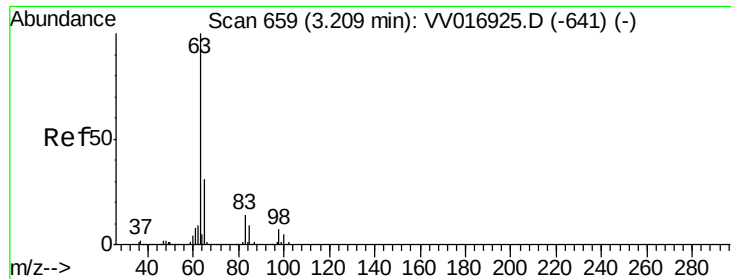
61 135.8 102.9 191.1

98 59.0 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016925.D (-511) (-)



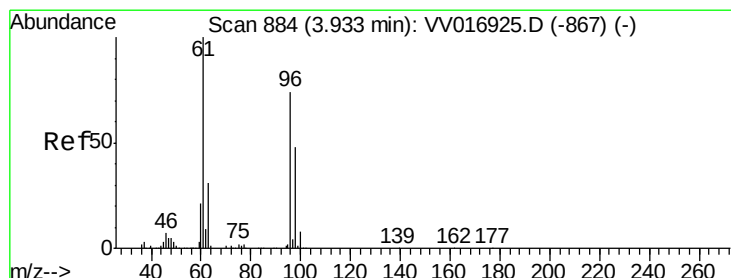
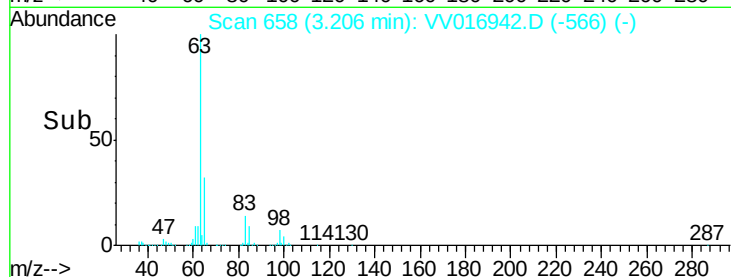
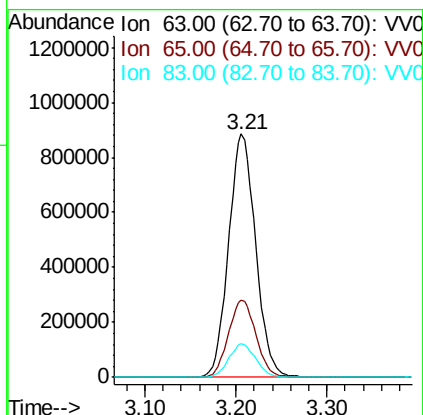
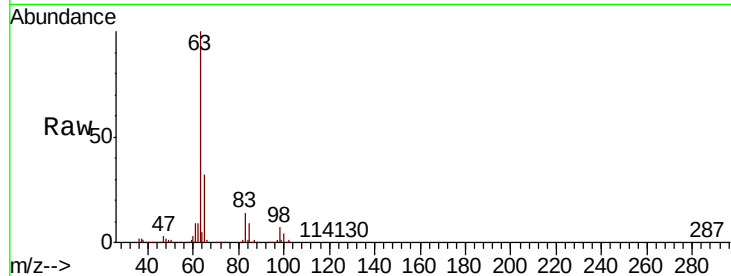


#19
 1,1-Dichloroethane
 Concen: 430.897 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV016942.D
 Acq: 15 Jun 2020 18:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXE0

Tot Ion: 63 Resp: 1826012

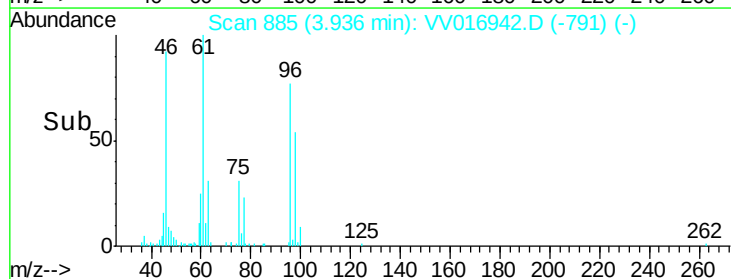
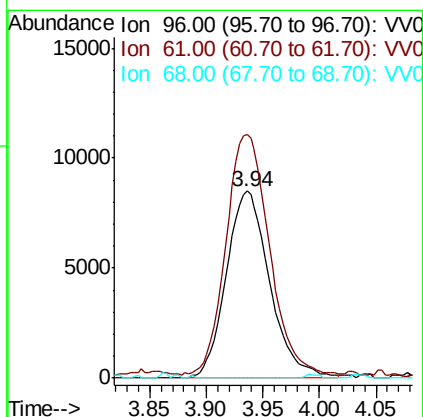
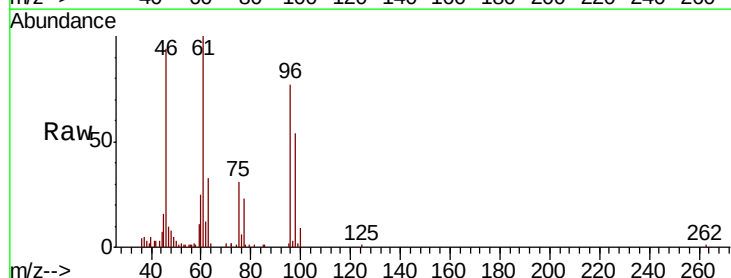
Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.2	43.0
83	13.8	10.0	18.6

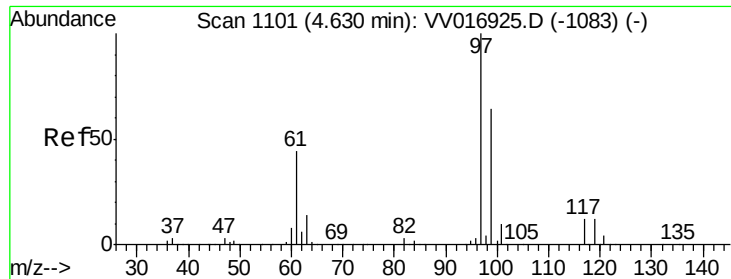


#20
 cis-1,2-Dichloroethene
 Concen: 9.250 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016942.D
 Acq: 15 Jun 2020 18:15

Tgt Ion: 96 Resp: 22704

Ion	Ratio	Lower	Upper
96	100		
61	130.1	93.4	173.4
68	0.0	0.0	0.0

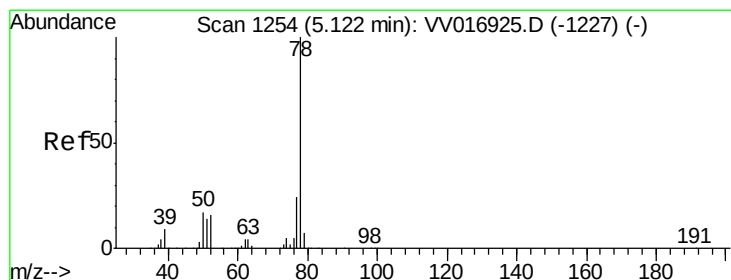
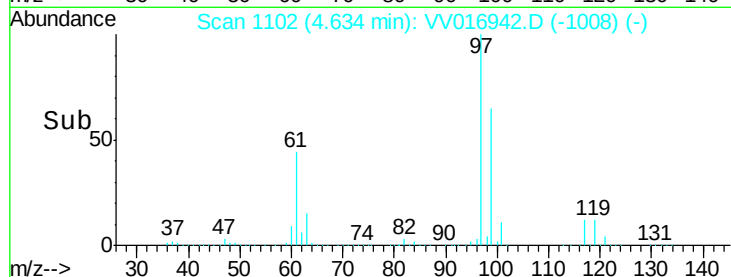
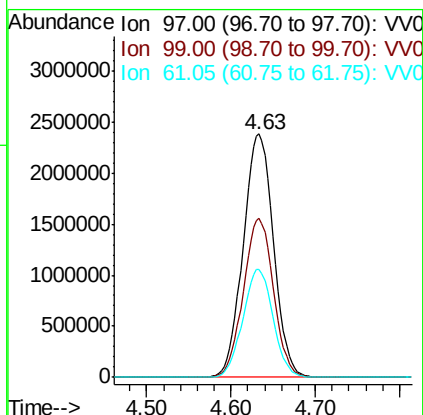
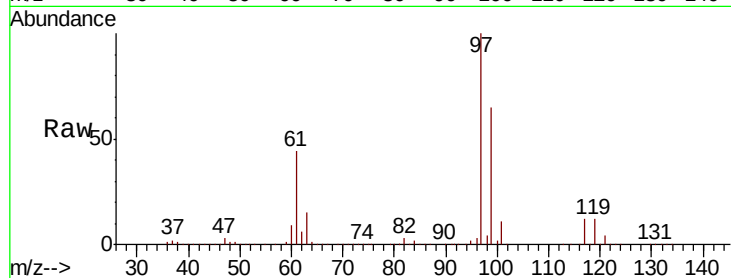




#30
 1,1,1-Trichloroethane
 Concen: 1492.670 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016942.D
 Acq: 15 Jun 2020 18:15

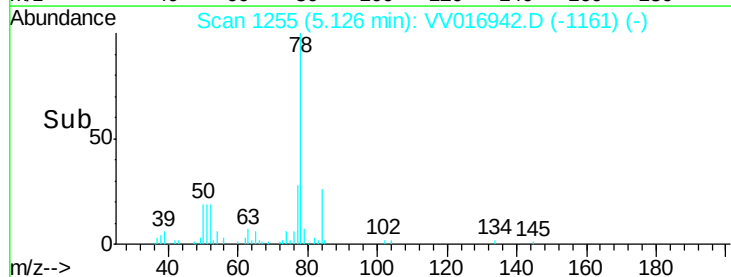
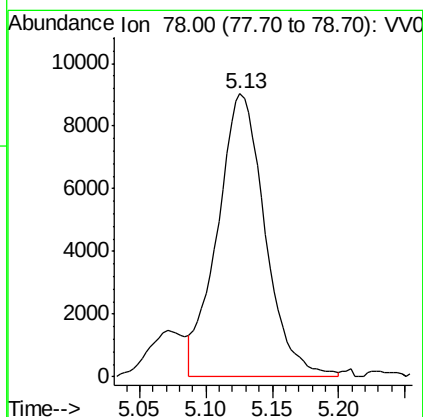
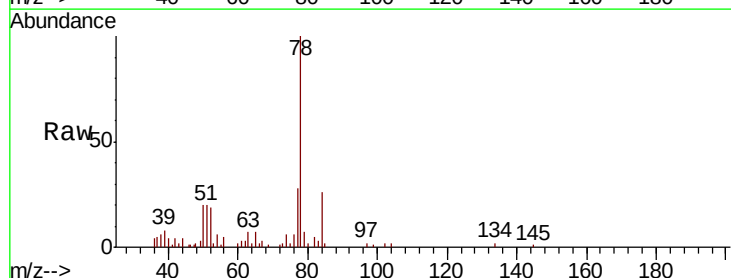
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXE0

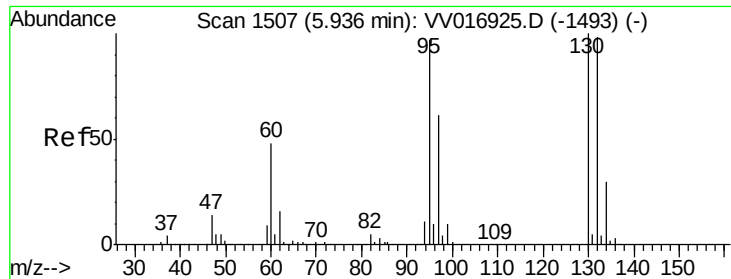
Tot Ion: 97 Resp: 5950553
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.3 76.9
 61 44.2 36.7 55.1



#33
 Benzene
 Concen: 2.440 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV016942.D
 Acq: 15 Jun 2020 18:15

Tgt Ion: 78 Resp: 22571





#34

Trichloroethene

Concen: 0.909 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

Instrument :

MSVOA_V

ClientSampleId :

BFXE0

Tot Ion: 95 Resp: 2255

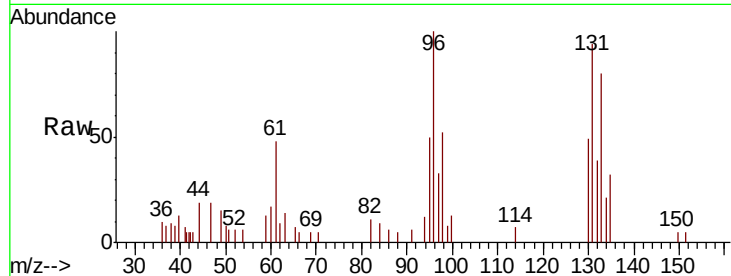
Ion Ratio Lower Upper

95 100

97 66.5 44.3 82.3

132 78.3 67.9 126.1

130 97.1 72.2 134.2

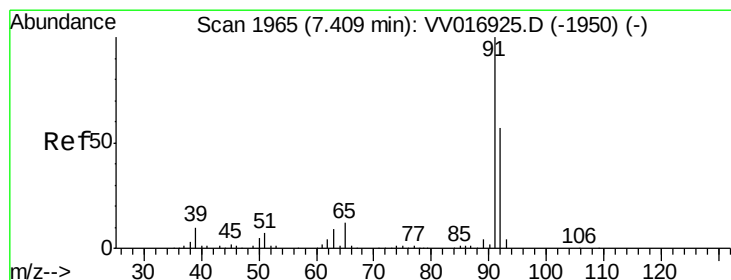
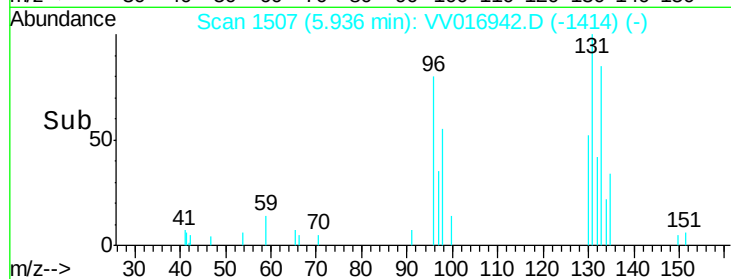
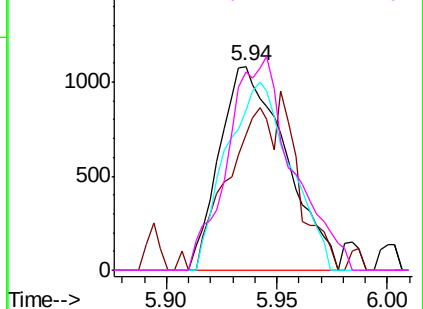


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#42

Toluene

Concen: 1.147 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016942.D

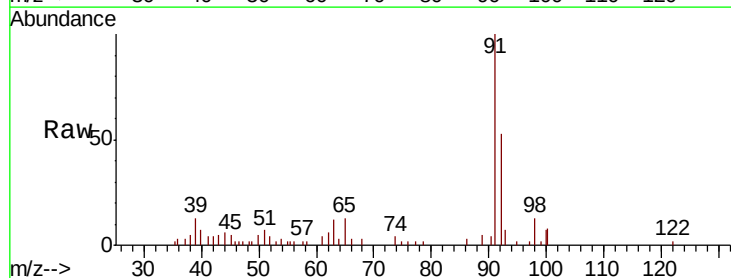
Acq: 15 Jun 2020 18:15

Tgt Ion: 91 Resp: 11185

Ion Ratio Lower Upper

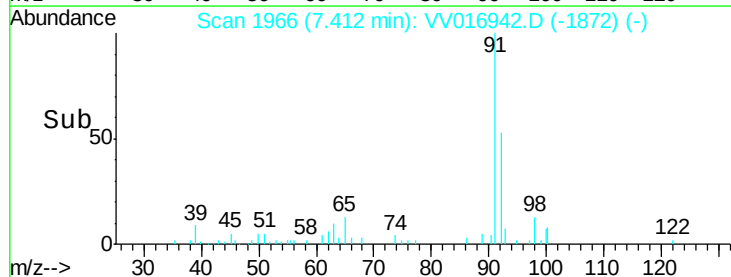
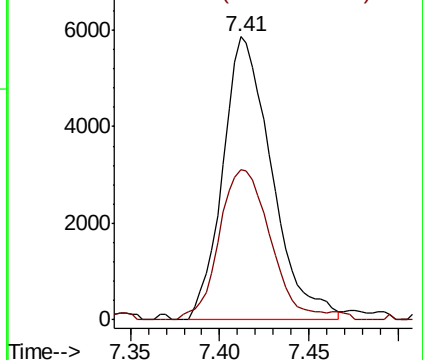
91 100

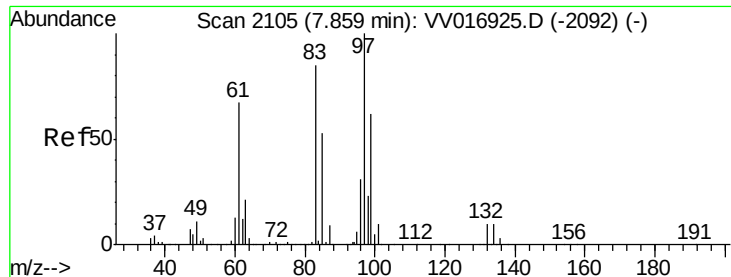
92 53.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

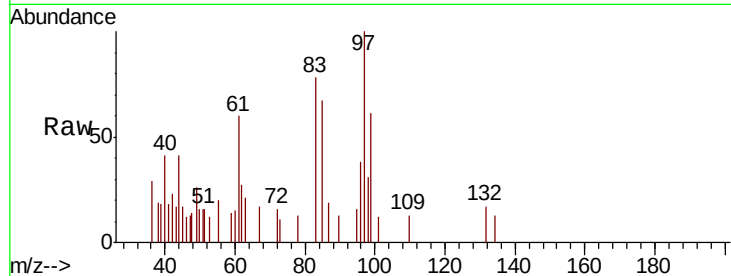




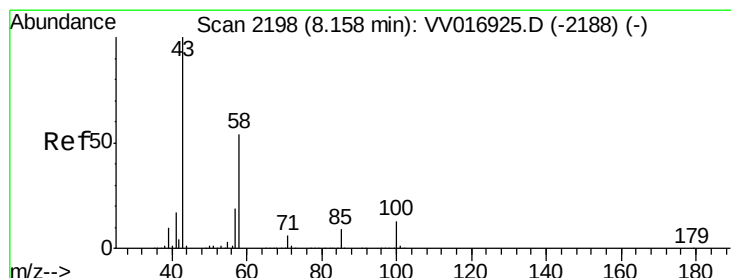
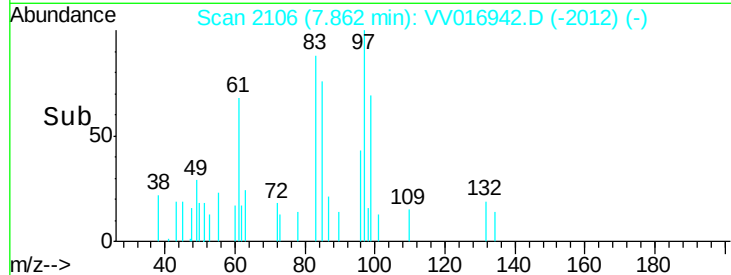
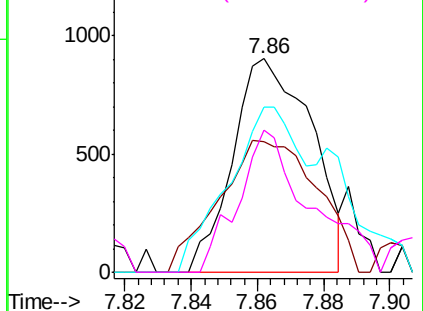
#45
 1,1,2-Trichloroethane
 Concen: 0.646 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016942.D
 Acq: 15 Jun 2020 18:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXE0

Tot Ion:	97	Resp:	1499
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.3	82.3
83	77.5	60.0	111.4
85	66.7	39.5	73.3

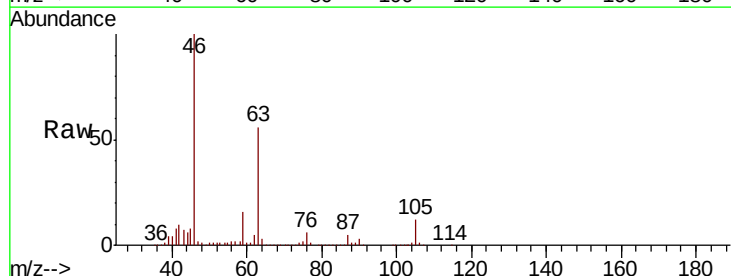


Abundance Ion 97.00 (96.70 to 97.70): VV016942.D (-2105) (-)
 Ion 99.00 (98.70 to 99.70): VV016942.D (-2105) (-)
 Ion 83.00 (82.70 to 83.70): VV016942.D (-2105) (-)
 Ion 85.00 (84.70 to 85.70): VV016942.D (-2105) (-)

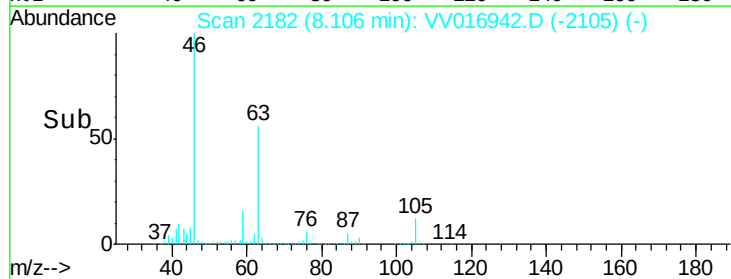
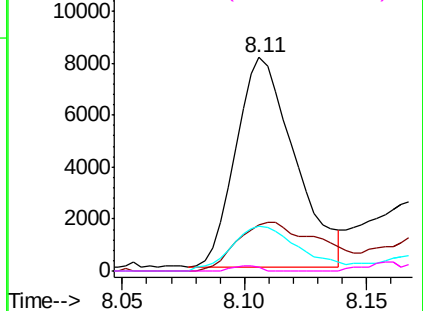


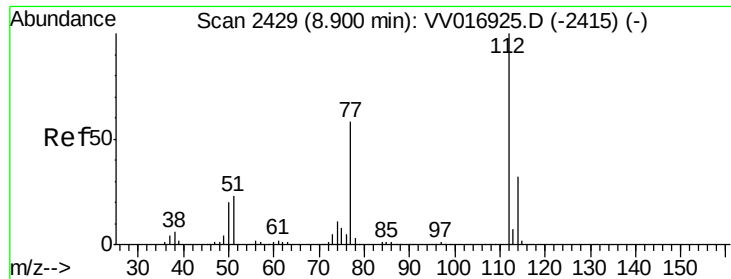
#48
 2-Hexanone
 Concen: 5.125 ug/L
 RT: 8.11 min Scan# 2182
 Delta R.T. -0.05 min
 Lab File: VV016942.D
 Acq: 15 Jun 2020 18:15

Tgt Ion:	43	Resp:	13544
Ion	Ratio	Lower	Upper
43	100		
58	22.1	43.1	64.7#
57	24.5	15.3	22.9#
100	1.1	10.0	15.0#



Abundance Ion 43.00 (42.70 to 43.70): VV016942.D (-2182) (-)
 Ion 58.00 (57.70 to 58.70): VV016942.D (-2182) (-)
 Ion 57.00 (56.70 to 57.70): VV016942.D (-2182) (-)
 Ion 100.00 (99.70 to 100.70): VV016942.D (-2182) (-)





#51

Chlorobenzene

Concen: 5.082 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

Instrument :

MSVOA_V

ClientSampleId :

BFXE0

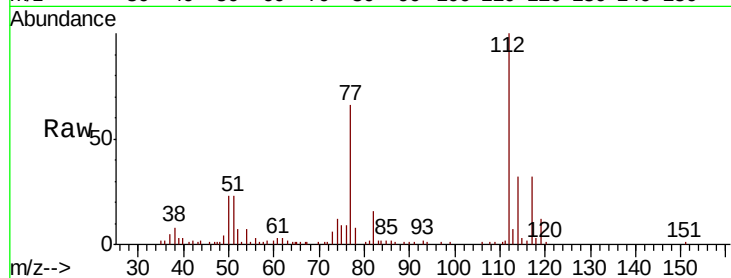
Tot Ion:112 Resp: 32326

Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.3

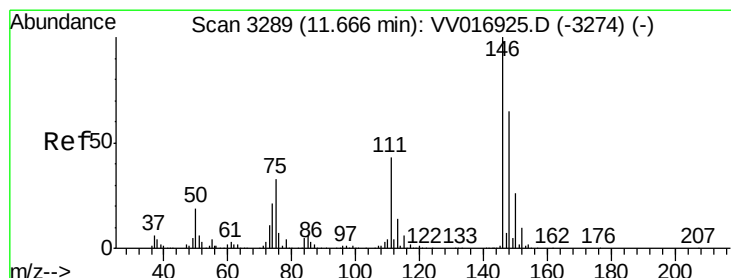
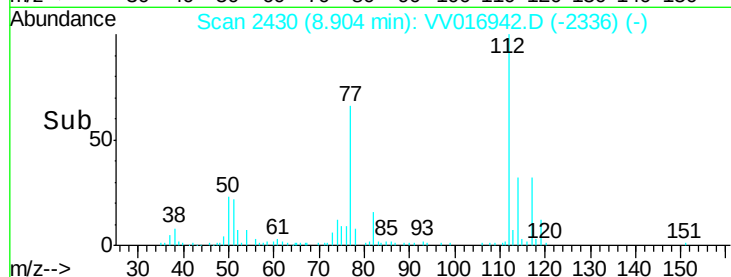
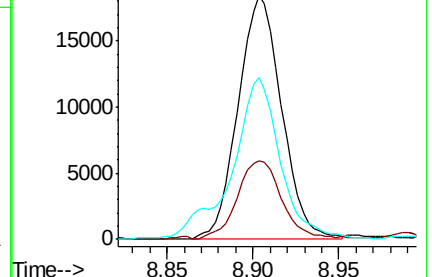
77 66.3 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#65

1,2-Dichlorobenzene

Concen: 2.276 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016942.D

Acq: 15 Jun 2020 18:15

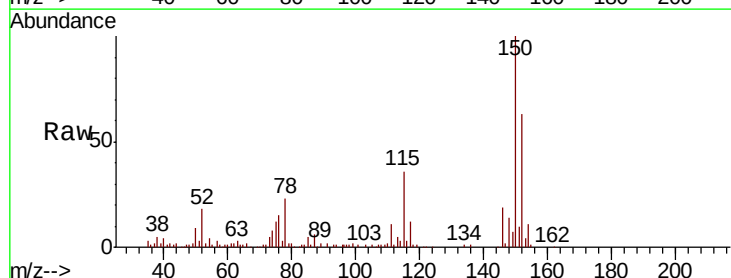
Tgt Ion:146 Resp: 11639

Ion Ratio Lower Upper

146 100

111 56.4 33.7 50.5#

148 74.8 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

